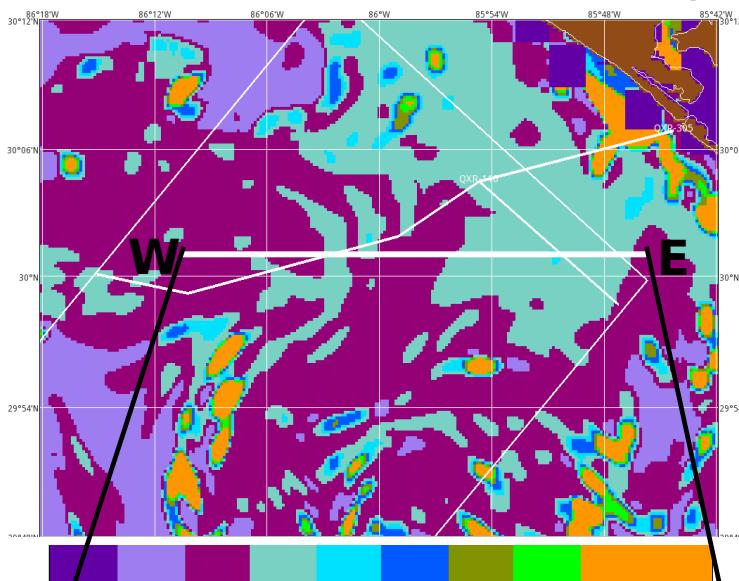




Forecast AQS-24 Support for HAWKEX Valid October 13, 2013

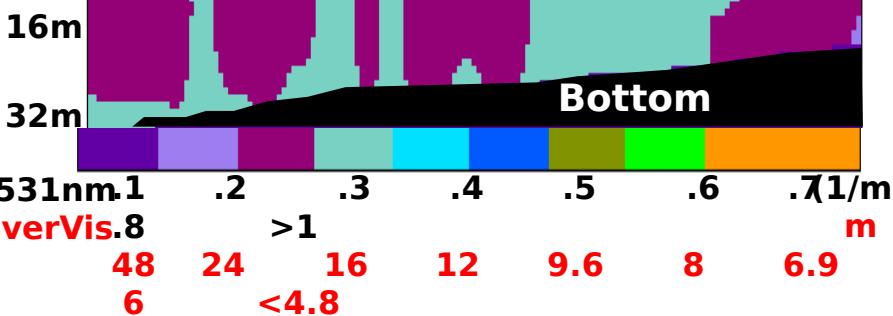
Surface Beam-c / Diver Visibility



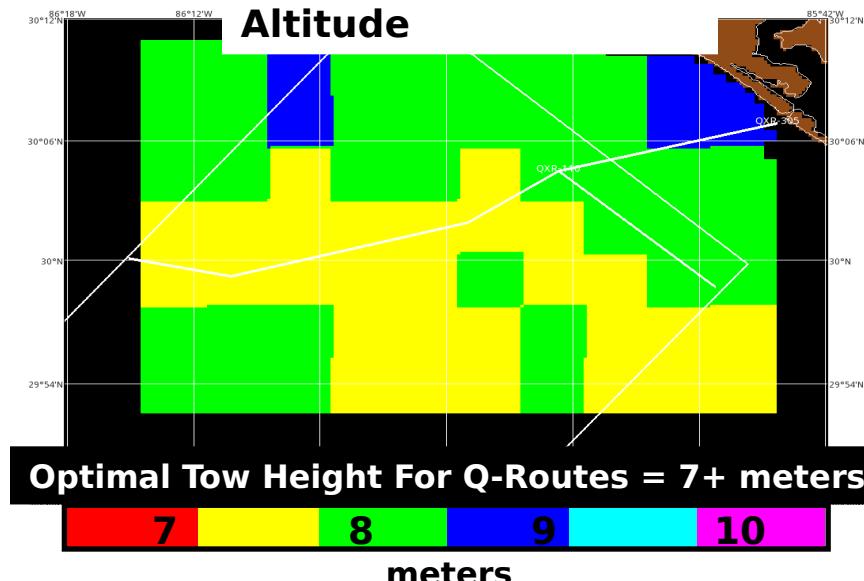
<6

(1/m)
meters

(West->East Transect / 3D Surface Slice)



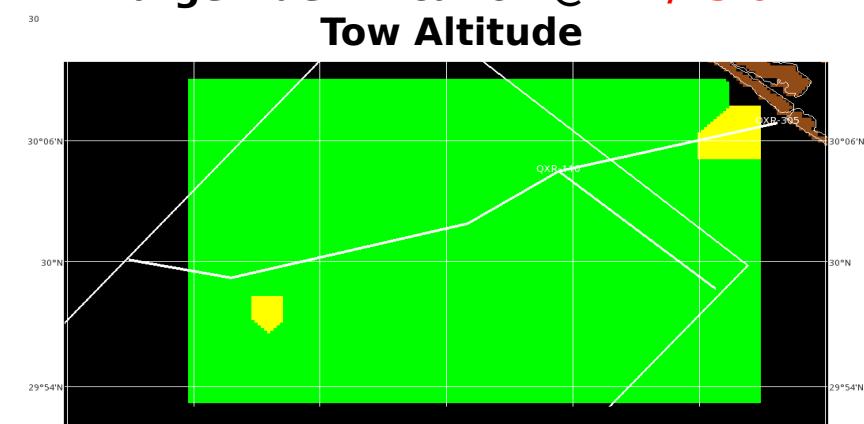
Optimal Tow Altitude



Optimal Tow Height For Q-Routes = 7+ meters!

meters

Red areas due to forecast errors!

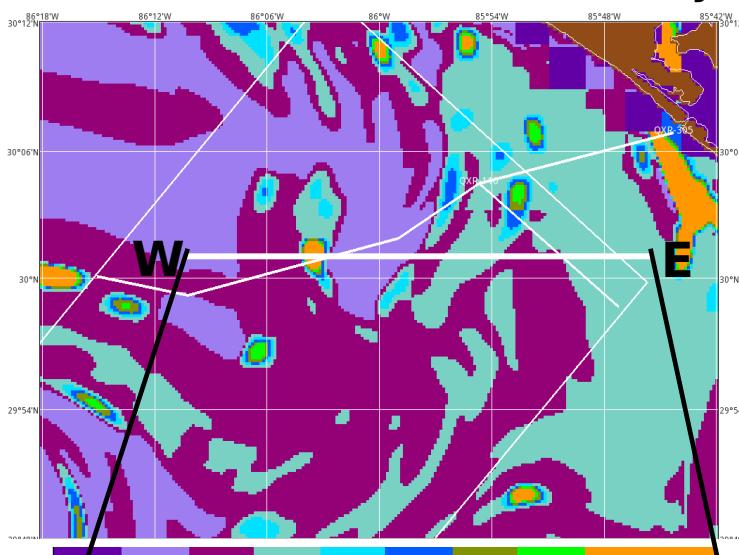
Target Identification @ 7m/23.0ft
Tow AltitudeQ-Routes: High Probability For
Detection and Identification!

No Maybe Identify



Forecast AQS-24 Support for HAWKEX Valid October 14, 2013

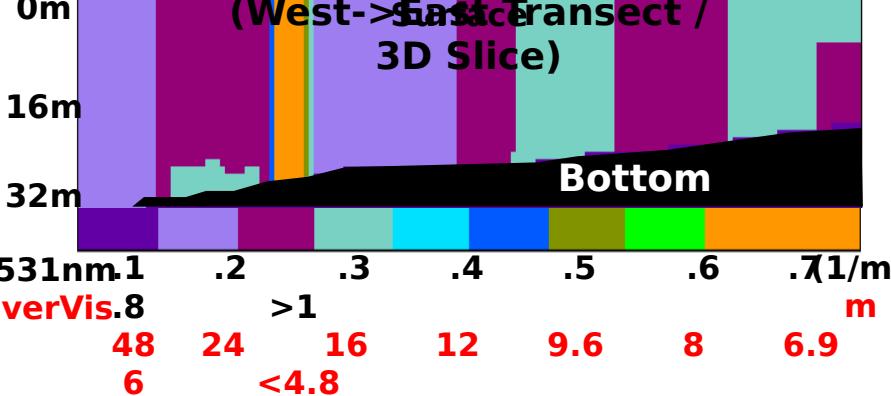
Surface Beam-c / Diver Visibility



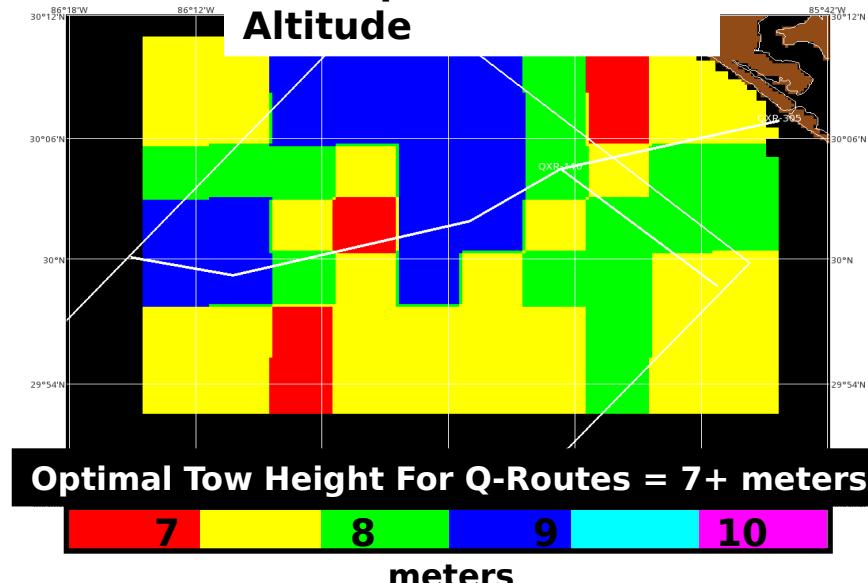
c 531n .8 .1 .2 .3 .4 .5 .6 .7 (1/m) meters
m 48 24 16 12 9.6 8 6.9
Diver Vis 6 <4.8

3D Beam-c / Diver Visibility

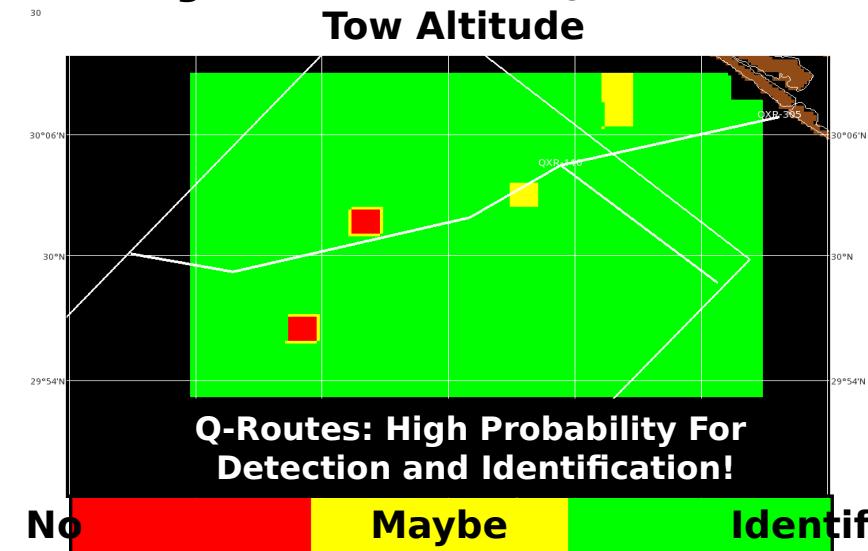
(West->East Transect / 3D Slice)



Optimal Tow Altitude



Target Identification @ 7m/23.0ft Tow Altitude

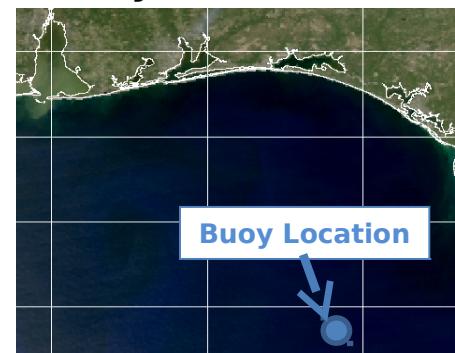




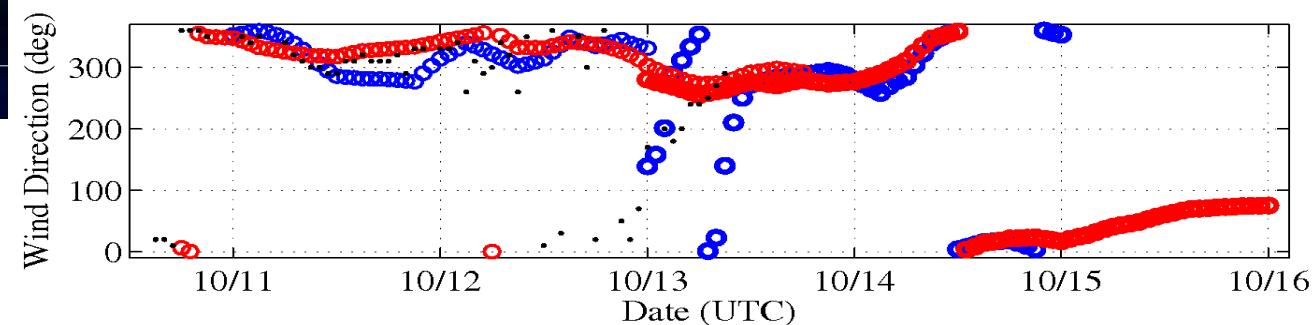
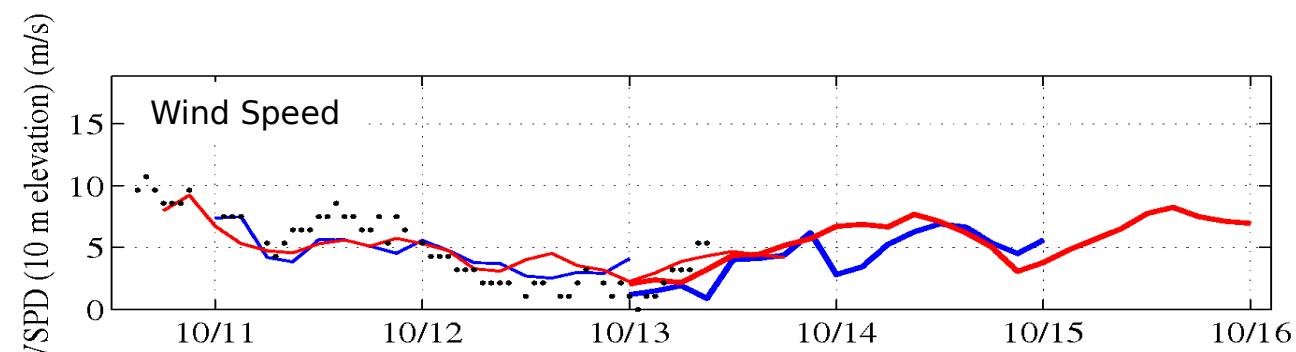
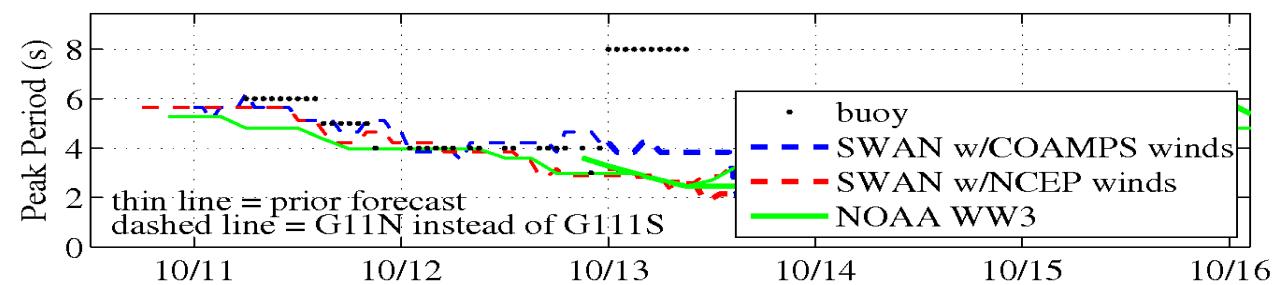
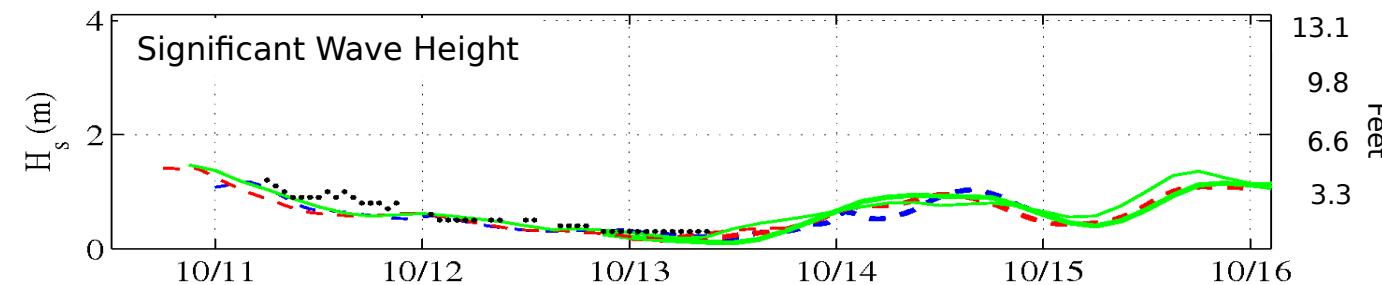
NRL SWAN MODEL Wave & Wind Nowcast/Forecast

Forcing with
COAMPS & NCEP
Winds

Buoy (Black Dots)



Model.vs.NDBC.42039

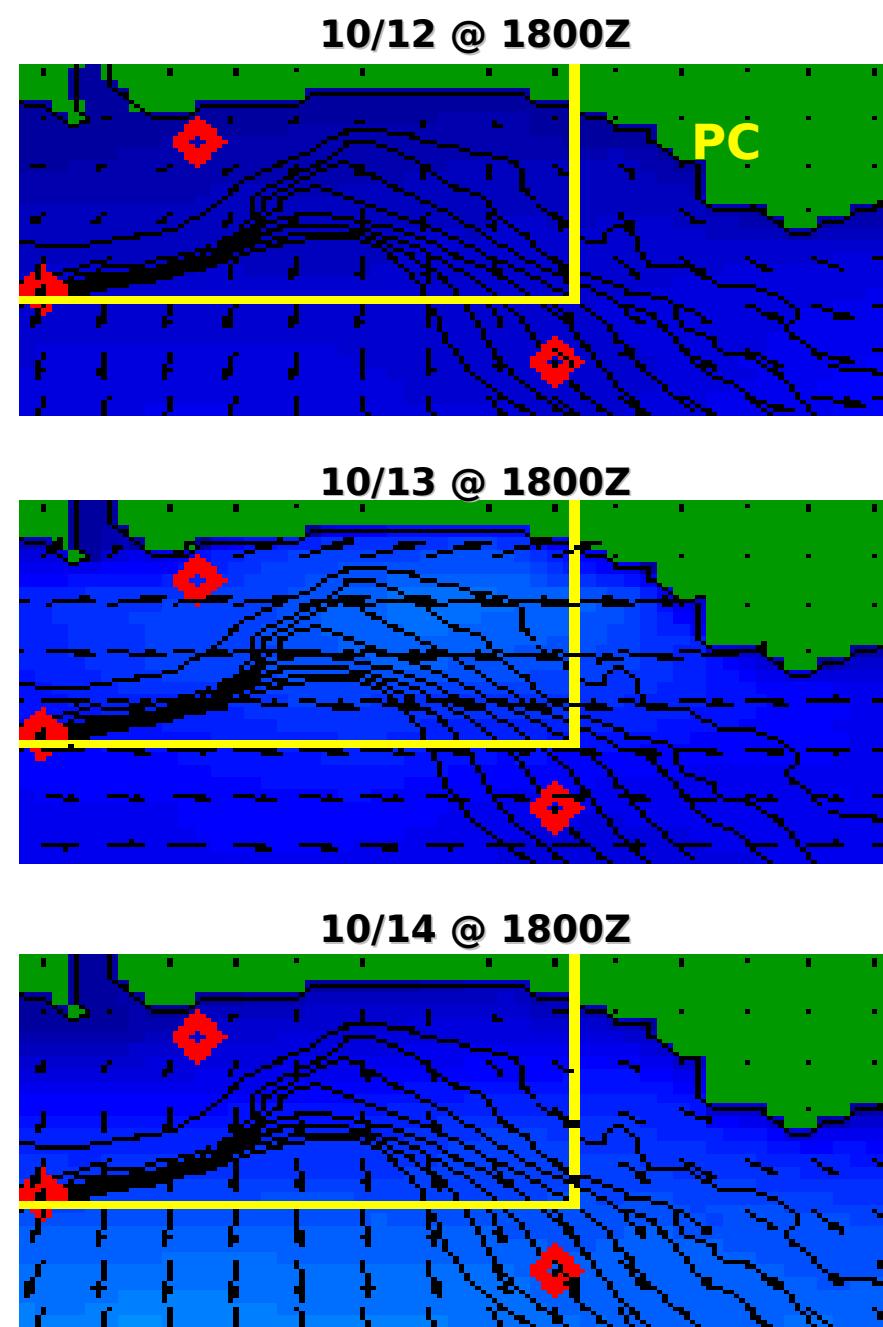
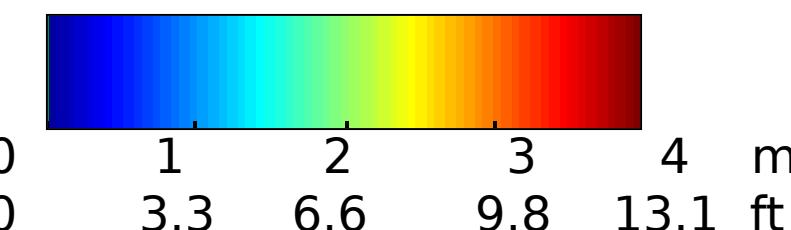




SWAN MODEL Significant Wave Heights Nowcast/Forecast

Forcing with
NCEP
Winds

Current Velocities &
Direction (->)



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cell: 228-380-1738**

Feedback Very Important!

**Positive or Negative
How are products being used?
Changes/Needs/Suggestions**